



PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
				Application Number	09/860,738
				Filing Date	May 18, 2001
				First Named Inventor	John P. Langmore
				Art Unit	1623
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	AH-UMIC:047US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)			
KH ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	AA	4,710,465	12-01-1987	Weissman et al.	
	AB	4,942,124	07-17-1990	Church	
	AC	5,149,625	09-22-1992	Church et al.	
	AD	5,508,169	04-16-1996	Deugau et al.	
	AE	5,518,901	05-21-1996	Murtagh	
	AF	5,648,213	07-15-1997	Reddy et al.	
	AG	5,695,971	12-09-1997	Kadokami et al.	
	AH	5,858,671	01-12-1999	Jones	
	AI	6,063,604	05-16-2000	Wick et al.	
	AJ	6,117,634	09-12-2000	Langmore et al.	
	AK	6,124,120	09-26-2000	Lizardi	
	AL	6,197,557	03-06-2001	Makarov et al.	

KH

AL

0,197,337

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ -Number ⁴ -Kind Code* (if known)				
KH	BA	IB-99/18241	04-15-1999	Lizardi		
↓ ↓ ↓ ↓	BB	IB-00/18960	04-06-2000	Landers et al.		
	BC	IB-00/24929	05-04-2000	Von Kalle et al.		
	BD	IB-00/28084	05-18-2000	Jolly		
	BE	IB-00/60121	10-12-2000	Senapathy et al.		

Examiner Signature	/Kenneth Horlick/	Date Considered	08/16/2006
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¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known			
		Application Number	09/860,738		
		Filing Date	May 18, 2001		
		First Named Inventor	John P. Langmore		
		Group Art Unit	1623		
		Examiner Name	Not Yet Assigned		
Sheet	2	of	2	Attorney Docket Number	AH-UMIC:047US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KH	CA	GUILFOYLE, RICHARD A., ET AL., Ligation-mediated PCR amplification of specific fragments from a Class-II restriction endonuclease total digest, Nucleic Acids Research Vol. 25, No. 9 (1997), pp. 1854-1858.	
	CB	HAGIWARA, KOICHI and HARRIS, CURTIS C., 'Long distance sequencer' method: a novel strategy for large DNA sequencing projects, Nucleic Acids Research, Vol. 24, No. 12 (1996), pp. 2460-2461.	
	CC	MAKOROV, VLADIMIR L., ET AL., Long G. Tails at Both Ends of Human Chromosomes Suggest a C Strand Degradation Mechanism for Telomere Shortening, Cell, Vol. 88 (1997), pp. 657-666.	
	CD	ROSENTHAL, ANDRE, ET AL., Genomic walking and sequencing by oligo-cassette mediated polymerase chain reaction, Nucleic Acids Research, Vol. 18, No. 10 (1990), pp. 3095-3096.	
	CE	SMITH, DOUGLAS R., Ligation-mediated PCR of Restriction Fragments from Large DNA Molecules, PCR Methods and Applications, Vol. 2 (1992), pp. 21-27.	
	CF	UNRAU, PAUL AND DEUGAU, KENNETH V., Non-cloning amplification of specific DNA fragments from whole genomic DNA digests using DNA 'indexers', Gene, 145 (1994), pp. 163-169.	
	CG	WALKER, G. TERRANCE, ET AL., Isothermal in vitro amplification of DNA by a restriction enzyme / DNA polymerase system, Proc. Natl. Acad. Sci. USA Vol. 89 (1992), pp. 392-396, Applied Biological Sciences.	
KH	CH	WALKER, G. TERRANCE, ET AL., Strand displacement amplification – an isothermal, in vitro DNA amplification technique, Nucleic Acids Research, Vol. 20, No. 7 (1992), pp. 1691-1696.	

Examiner Signature	/Kenneth Horlick/	Date Considered	08/16/2006
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete If Known

Application Number 09/860,738
 Filing Date May 18, 2001
 First Named Inventor John P. Langmore
 Art Unit 1637
 Examiner Name Not Yet Assigned
 Attorney Docket Number AH-UMIC:047US

1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
KH	AA	6,537,757 B1	03-25-2003	Langmore, et al.	
KH	AB	5,714,318	02-03-1998	Sagner, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
KH	BA	WO 93/24654	12-09-1993			
KH	BB	WO 98/15652	04-16-1998			
KH	BC	EP 0684 315 A1-	03-13-1995			

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KH	CA	Currently Pending Claims in U.S. Patent Application No. 09/801,346, Filed March 6, 2001, Entitled "Compositions and Methods for Analysis of Nucleic Acids"	
KH	CB	FU, DOUG-JING, ET AL., Sequencing Double-Stranded DNA by Strand Displacement, Nucleic Acids Research Vol. 25, No. 3 (1997), pp. 677-679.	

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/Kenneth Horlick/

Date
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		Number-Kind Code ² (if known)			
KH	AA	US-6,218,119-B1	04-17-2001	Kuiper, et al.	
KH	AB	US-6,300,071-B1	10-09-2001	Vuytsteke, et al.	

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